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PTO/SB/05 (08-032 Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	60,246-251/10751	1
First Inventor	Alexander Lifson	3
Title	Fluid Diode Expansion Device for	
Express Mail Label No.	EV220476077US	_

See MPEP	APPLICATION ELEMENTS chapter 600 concerning utility patent application contel	ADDRES	SS TO: Commissi P.O. Box 1	Patent Application oner for Patents 1450 a VA 22313-1450	
2. Application Application Application Application See 3 3. Specification Specification Application Application Specification Application	it an original and a duplicate for fee processing) cant claims small entity status. 7 CFR 1.27. fication [Total Pages 9 red arrangement set forth below) captive title of the invention 8 Reference to Related Applications ment Regarding Fed sponsored R & D rence to sequence listing, a table, computer program listing appendix ground of the Invention Summary of the Invention Description of the Drawings (if filed) iled Description	8. Nucle (if app a. [b.	CD-ROM or CD-R in duplicomputer Program (Apperotide and/or Amino Acidelicable, all necessary) Computer Readable Specification Seque i. CD-ROM or Cidelicable Paper Statements verifying	ndix) Sequence Sub Form (CRF) nce Listing on: D-R (2 copies)	omission ; or ove copies
- Clain		A	CCOMPANYING AF	PLICATIO	N PARTS
- Abstr 4.	ract of the Disclosure Ing(s) (35 U.S.C. 113) [Total Sheets	9. V 10. 11. 12. V 13. 14. V 15. 16. 17. V	Assignment Papers (cov. 37 CFR 3.73(b) Statemer (when there is an assign English Translation Doc Information Disclosure Statement (IDS)/PTO-14 Preliminary Amendment Return Receipt Postcard (Should be specifically it Certified Copy of Priority (if foreign priority is claim Nonpublication Request (b)(2)(B)(i). Applicant mor its equivalent. Other: Certificate.of.	ver sheet & docent	cument(s)) Power of Attorney cable) Copies of IDS Citations C. 122 PTO/SB/35
18. If a CONT	INUING APPLICATION, check appropriate box,	and supply the requi	site information below an	d in the first se	ntence of the
specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
	19. CORRE	SPONDENCE AD	DRESS		
Custor	ner Number: 026096	3	OR Corre	spondence add	dress below
Name	William S. Gottschalk				
Address Carlson Gaskey & Olds, P.C. 400 West Maple Road. Suite 350					
City	Birmingham /	State MI		Zip Code	48009
Country	United States of America		48-988-8360	Fax	248-988-8363
240-300-0000					
		Registratio	in No. (Attorney/Agent)	44,130	
Signature	1 Milwam V			Date Feb	oruary 23, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

60,246-251/10751

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Attorney Docket No.

CEE TO A NOMITTAL	Complete if Known		
FEE TRANSMITTAL	Application Number	Herewith	
for FY 2004	Filing Date	Herewith	
TOT FY ZUU4	First Named Inventor	Alexander Lifson	

(\$) 810.00

xander Lifson **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 Art Unit

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)		
Check Credit card Money Other None	3. ADDITIONAL FEES		
Order Opposit Account:	Large Entity Small Entity		
Denneit	Fee Fee Fee Fee Fee Description Fee Fee Fee Fee Fee Description	a Daid	
Account Number	1051 130 2051 65 Surcharge - late filing fee or oath	e Paid	
Deposit Corrier	1052 50 2052 25 Surcharge - late provisional filing fee or		
Account Carrier	cover sheet		
The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification 1812 2,520 1812 2,520 For filing a request for ex parte reexamination		
Charge fee(s) indicated below Credit any overpayments	1804 920* 1804 920* Requesting publication of SIR prior to		
Charge any additional fee(s) or any underpayment of fee(s)	Examiner action		
Charge fee(s) indicated below, except for the filing fee	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action		
to the above-identified deposit account.	1251 110 2251 55 Extension for reply within first month		
FEE CALCULATION	1252 420 2252 210 Extension for reply within second month		
1. BASIC FILING FEE Large Entity Small Entity	1253 950 2253 475 Extension for reply within third month		
Fee Fee Fee Fee Description Fee Paid	1254 1,480 2254 740 Extension for reply within fourth month		
Code (\$) Code (\$)	1255 2,010 2255 1,005 Extension for reply within fifth month		
1001 770 2001 385 Utility filing fee 770.00	1401 330 2401 165 Notice of Appeal		
	1402 330 2402 165 Filing a brief in support of an appeal		
1003 530 2003 265 Plant filing fee 1004 770 2004 385 Reissue filing fee	1403 290 2403 145 Request for oral hearing		
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding		
	1452 110 2452 55 Petition to revive - unavoidable		
1453 1.330 2453 665 Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	FEES FOR UTILITY AND REISSUE 4504 4 220 2504 665 (William to (or release)		
Extra Claims below Fee Paid	1502 480 2502 240 Design issue fee		
Total Claims 7 .20** = X = 0.00	1503 640 2503 320 Plant issue fee		
Claims	1460 130 1460 130 Petitions to the Commissioner		
Multiple Dependent =	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)		
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt		
Code (\$) Code (\$)	8021 40 8021 40 Recording each patent assignment per property (times number of properties) 40.	0.00	
1202 18 2202 9 Claims in excess of 20	1809 770 2809 385 Filing a submission after final rejection	$\neg \neg$	
1201 86 2201 43 Independent claims in excess of 3	(37 ČFR 1.129(a))		
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))		
1204 86 2204 43 ** Reissue independent claims over original patent	1801 770 2801 385 Request for Continued Examination (RCE)	$\overline{}$	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application		
· · · · · · · · · · · · · · · · · · ·	Other fee (specify)		
SUBTOTAL (2) (\$) 0.00 **or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00		

SUBMITTED BY			(Complete	(if applicable))
Name (Print/Type)	Karin H Butchko	Registration No.	45,864 Telephone	248-988-8360
Signature	MUUNC	, oudus	Date	February 23, 2004

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UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Alexander Lifson

Serial No.:

Herewith

Filed:

Herewith

Title:

FLUID DIODE EXPANSION DEVICE FOR HEAT PUMPS

Attorney Docket No.:

60,246-251/10751

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number: EV220476077US

Date of Deposit:

February 23, 2004

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Lesley Upton

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